

## Product datasheet for **RN204653**

### Lzts3 (NM\_172022) Rat Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Lzts3 (NM_172022) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Lzts3
Synonyms:	Prosapip1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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**Fully Sequenced ORF:** >RN204653 representing NM\_172022  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**GCGATCGCC**

ATGGCCCTGCAGACCTGGCCTCGGAGGTCCCAAGCTTGAGACCCGCCGCCCCACCTCTTTGGAA  
 AGTGCCCTTCTGGCTTAATCATGGCGAAGCTGGAGACATTACCTGTGCGCGCTGACCCAGGGAGGGATCC  
 TCTCTGGCCTTTGCTCCCCGGCCTGCTGAGCTTGACCCCCAGATCCCCGCCTGACTATGGGCAGTGTG  
 GGTGGTGGGGTGACCCATGCTCAGGAGTTTCTATGAAAAGCGTGGGCACTCGAACAGGGGGTGGGGCA  
 GCCAGGGCAGTTTCCCTGGTCCAAGAAGCAGTGGTAGTGGGACCAACAGGGAGAGACCTGGCCCTGGCCG  
 CTACCCATCAGAGGACAAGGTTCTCGCCAACTCTCTACCTCAATGGCGAGCTGCGAGGCAGTGACCAC  
 ACAGATGTCTGTGTAATGTGGTGGCAGCAGTGGGGCAGCAGCAGCAGTGGGGCAGCGACAAGGCTC  
 CCCCCAGTATCGTGAACCAATCACCCACCAAGCTCCTGACCCTCTGGCAAGCTAGACCAGTGCTC  
 AGAGCCACTAGTTCGGCCATCAGCCTTCAAGCCTGTTGTACCCAAGAACTCCATTCCATGCAGAACCTG  
 TGTCTCCACAGACCAATGGGACCCCTGAAGGACGACAGGGCCCTGCAGGCCTCAAAGGGCGGACTGGAGA  
 AGTCTCGGACCATGACTCCAGCTGGTGGGAGTGGGGCGCGGCCCTCAGACTCAGGCCGAACTCACT  
 CACAAGCTTGCCACCTATAGCTCCAGCTATAGCCAGCATCTGGCACCCCTCAGTGCTTCCACCAGCCAT  
 ATCAACCCGATTGGCACTCCGGGCTATAGTAGTGGCGGCGCGGTGGGGGTGAGGCTACCAGGACCTGG  
 GGACCTCTGACAGTGGGCGGGCTTCCAGTAAGAGCGGGTCTCATCATCCATGGGGCGGTGAGGCCACCT  
 GGGATCTGGGGAGGGCGGAAATGGAGGCCTGCCATTTGCAGCCTGTTACCACCCCTCGCCAGTGGCGTG  
 ATCCAGGAAGTGGAGGAGCGGCTGTGGGAGAAGGAGCAGGAGGTGGCAGCACTGCGGCGCAGCCAGGAAC  
 AGAGCGAGGCAGCAGTGGCCAGGTGTTGGAGGAGCGGCAGAGGCATGGGAGCGGGAGCTAGCCGAGT  
 CCGGCAGGGCTGCAGTGGAAAGCTGCAGCAGGTGGCCCGCCGTGCCAGCGTGCCAGCAGGGCCTACAG  
 CTGCAGGTGCTGCGGTTACAGCAGGACAAGAAACAGCTGCAGGAGGAGGAGCCAGCTGATAAGGCAGC  
 GGAAGAGCTAGAGGACAAGGTGGCCGCTGCCAGAAGGAGCAGGCCGACTTCTGCCCGGATGGAGGA  
 AACTAAGTGGGAGGTGTGCCAGAAGGCCGGTGAGATTTCCCTCTGAAGCAACAAGTGAAGGACTCACAG  
 GCTGATGTGTCGAGAAGTTGAGTGAGATCGTGGGACTGCGCTCACAGCTCCGGGAGGGTAGGGCCTCGC  
 TCCGGGAGAAGGAGGAACAGCTGCTCAGCTTGAAGGACTCCTTCGGCAGCAAACAGGCCAGCCTGGAGCT  
 GAGTGAAGGCGAGCTGCCCTGCTGCCTCAAGCCTGCACTGACCCCTGTGGACCTGGTTGAGCCACAG  
 GAGGCACTGGCCTCCTGTGAGAGTGACGAGGCCAAGATGCGCCGCGAGGCTGGGGTGGCGGCTGCTGCTT  
 CCCTGGTTTTCTGTTGATGGGGAGGTAGATGCTGGGGGAGAGGGTGGGACACGGGCCCTACGAGGGAGGT  
 GGGGAGACTGCAGGCTGAGCTGGCTGCTGAGCGACGTGCCCGTGAGCGCCAGGGTCCAGCTTTGCAGAG  
 GAGCGCCGGGTGTGGTTGGAGGAGAAGGAGAAGGTCATTGAGTACCAGAAGCAGCTCCAGCTGAGTTACG  
 TGGAGATGTACCAGCGCAACCAGCAGCTGGAGCGGCGACTTCGGGAGCGTGGGGCAGCAGGGGGTTACG  
 CACGCCTACTCCCAGCATGGAGAGGAGGAGAAAGCCTGGACCCCTCCCGCTGGAGCGCATCGAGTCC  
 ACAGAAAT**CTGA**

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** SgfI-MluI

**ACCN:** NM\_172022

**Insert Size:** 2112 bp

**OTI Disclaimer:** Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).

<b>Components:</b>	The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.</li></ol>
<b>RefSeq:</b>	<u><a href="#">NM_172022.2</a></u> , <u><a href="#">NP_742019.2</a></u>
<b>RefSeq Size:</b>	2503 bp
<b>RefSeq ORF:</b>	2112 bp
<b>Locus ID:</b>	280670
<b>UniProt ID:</b>	<u><a href="#">Q8K1Q4</a></u>
<b>Cytogenetics:</b>	3q36
<b>Gene Summary:</b>	May be involved in promoting the maturation of dendritic spines, probably via regulating SIPA1L1 levels at the postsynaptic density of synapses(PubMed:27252646).[UniProtKB/Swiss-Prot Function]